

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

1-42. (Canceled).

43. (Previously presented) A method for operating an electronic mail server system having mailboxes associated with wireless client devices, the method comprising:

receiving input to change an organizational structure of a mailbox;

making a change to the organizational structure of the mailbox in response to the input;

and

pushing a message to a wireless client device associated with the mailbox, the message comprising information about the change to the mailbox, wherein the information is used by the wireless client device to synchronize a cached version of the mailbox stored locally in the wireless client device with the mailbox prior to notifying a user of the change to the mailbox.

44-45. (Canceled).

46. (Previously Presented) The method of claim 43, wherein the change in the organizational structure of the mailbox comprises a change to a mail folder structure of the mailbox.

47. (Previously Presented) The method of claim 46, wherein the change to the mail folder structure of the mailbox comprises at least one of adding, removing, and renaming a folder in the mailbox.

48. (Previously Presented) The method of claim 46, wherein the information comprises parameters required by a message access protocol, to be used by the wireless client device to synchronize by retrieving the change to the mail folder from the server.

49. (Previously Presented) The method of claim 43, further comprising checking whether the wireless client device is subscribed to receive the message; and sending the message only if the wireless client device is so subscribed.

50. (Canceled).

51. (Previously Presented) The method of claim 43, wherein the message is sent using a Short Message Service (SMS).

52. (Previously presented) A method for operating a wireless client device, the method comprising:

receiving a pushed message;

determining whether the message is a mail notification; and

if the message is a mail notification, then

decoding the message to obtain message access protocol parameters;

connecting to a mail server and synchronizing a cached mailbox stored locally in the wireless client device with an associated mailbox stored in the mail server, wherein the synchronizing comprises using the message access protocol parameters to determine a change made to an organizational structure of the associated mailbox, wherein the connecting and synchronizing are performed prior to notifying a user of the change; and

notifying the user of the wireless client device of the change.

53. (Previously Presented) The method of claim 52, wherein synchronizing further comprises retrieving new mail from the mail server, and updating the cached mailbox in response.

54. (Previously Presented) The method of claim 52, wherein synchronizing further comprises retrieving a change to a mail folder structure of the associated mailbox from the mail server, and updating the cached mailbox in response to the change.

55. (Previously Presented) The method of claim 52, wherein the message access protocol is the Internet Message Access Protocol (IMAP).

56. (Previously Presented) The method of claim 52, wherein the message is a message sent via a Short Message Service (SMS).

57. (Previously presented) A method for operating a wireless client device, the method comprising:

receiving a pushed message;

determining whether the message is a mail notification; and

if the message is a mail notification, then

decoding the message to determine a change made to the organizational structure of a mailbox stored in a mail server; and

synchronizing a cached version of the mailbox stored locally in the wireless client device with the mailbox prior to notifying a user of the change, wherein synchronizing comprises updating the cached mailbox in response to decoding.

58. (Previously Presented) The method claim 57, further comprising:

notifying the user of the wireless client device of the change to the mailbox.

59. (Previously Presented) The method claim 57, wherein the change to the organizational structure comprises a change to a mail folder structure of the mailbox.

60. (Previously Presented) The method of claim 59, wherein updating the cached mailbox comprises at least one of adding, removing, and renaming a folder in the cached mailbox.

61-62. (Canceled).

63. (Previously Presented) The method of claim 57, wherein the message is a message sent via a Short Message Service (SMS).

64. (Previously Presented) An electronic mail server system having a mailbox associated with a wireless client device, the system comprising:

a receiving mechanism to receive input to change an organizational structure of a mailbox; and

a transmitting mechanism to push a message to a wireless client device associated with the mailbox, the message comprising information about the change to the organizational structure of the mailbox, wherein the information is used by the wireless client device to synchronize a cached version of the mailbox stored locally in the wireless client device with the mailbox prior to notifying a user of the change to the organizational structure of the mailbox.

65-66. (Canceled).

67. (Previously Presented) The server system of claim 64, wherein the change in the organizational structure of the mailbox comprises a change to a mail folder structure of the mailbox.

68. (Previously Presented) The server system of claim 67, wherein the change to the mail folder structure of the mailbox comprises at least one of adding, removing, and renaming a folder in the mailbox.

69. (Previously Presented) The server system of claim 67, wherein the information comprises parameters required by a message access protocol, to be used by the wireless client device to synchronize by retrieving the change to the mail folder from the server.

70. (Previously Presented) The server system of claim 64, further comprising a checking mechanism to check if the wireless client device is subscribed to receive the message, the transmitting mechanism then operating to push the message only if the wireless client device is so subscribed.

71. (Canceled).

72. (Previously Presented) The server system of claim 64, wherein the message is sent using a Short Message Service (SMS).

73. (Previously Presented) A wireless client device comprising:

- a receiving mechanism to receive a pushed message;
- a processing mechanism to determine whether the message is a mail notification;
- a decoding mechanism to decode the message if the message is a mail notification thereby to obtain message access protocol parameters;
- a connection mechanism to connect to a mail server and synchronize a cached mailbox stored locally in the wireless client device with an associated mailbox stored in the mail server, wherein synchronizing comprises using the message access protocol parameters to determine a change made to an organizational structure of the associated mailbox, wherein the connecting and synchronizing are performed prior to notifying a user of the changes; and
- a notification mechanism to notify the user of the wireless client device of the changes.

74. (Previously Presented) The wireless client device of claim 73, wherein synchronizing further comprises retrieving new mail from the mail server, and updating the cached mailbox in response.

75. (Previously Presented) The wireless client device of claim 73, wherein synchronizing further comprises retrieving a change to a mail folder structure of the associated mailbox from the mail server, and updating the cached mailbox in response to the change.

76. (Previously Presented) The wireless client device of claim 73, wherein the message access protocol is the Internet Message Access Protocol (IMAP).

77. (Previously Presented) The wireless client device of claim 73, wherein the message is a message sent via a Short Message Service (SMS).

78. (Previously Presented) A wireless client device comprising:

a receiving mechanism to receive a pushed message;

a processing mechanism to determine whether the message is a mail notification;

a decoding mechanism to decode the message if the message is a mail notification thereby to obtain a change made to the organizational structure of a mailbox stored in a mail server; and

a synchronization mechanism to synchronize a cached version of the mailbox stored locally in the wireless client device with the mailbox prior to notifying a user of the change, wherein synchronizing comprises updating the cached mailbox in response to decoding.

79. (Previously Presented) The wireless client device of claim 78, further comprising:

a notification mechanism to notifying the user of the wireless client device of the change to the mailbox.

80. (Previously Presented) The wireless client device of claim 78, wherein the change to the organizational structure comprises a change to a mail folder structure of the mailbox.

81. (Previously Presented) The wireless client device of claim 80, wherein updating the cached mailbox comprises at least one of adding, removing, and renaming a folder in the cached version of the mailbox.

82-83. (Canceled).

84. (Previously Presented) The client device of claim 78, wherein the message is a message sent via a Short Message Service (SMS).

85. (New) A method for operating an electronic mail server system having mailboxes associated with wireless client devices, the method comprising:  
receiving input to change a folder structure of a mailbox;  
making a change to the folder structure of the mailbox in response to the input; and  
pushing a message to a wireless client device associated with the mailbox, the message comprising information about the folder structure change to the mailbox, wherein the information is used by the wireless client device to synchronize a cached version of the mailbox stored locally in the wireless client device with the mailbox prior to notifying a user of the folder structure change to the mailbox, wherein the folder structure change to the mailbox comprises at least one of adding, removing, and renaming a folder in the mailbox.